

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
8 January 2004 (08.01.2004)

PCT

(10) International Publication Number  
**WO 2004/002925 A2**

(51) International Patent Classification<sup>7</sup>: **C07C**

Apt., 205 Doma-2dong, Seo-gu, Daejeon 302-162 (KR).  
**KOO, Dong Wan** [KR/KR]; 128-604 Hanbit Apt., 99 Uheun-dong, Yusung-gu, Daejeon 305-333 (KR).

(21) International Application Number:  
**PCT/KR2003/001244**

(74) Agent: **HUH, Sang-Hoon**; 16th Fl., Woori Investment Bank Bldg., 826-20, Yeoksam-dong, Kangnam-ku, Seoul 135-080 (KR).

(22) International Filing Date: 25 June 2003 (25.06.2003)

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English  
(26) Publication Language: English  
(30) Priority Data:  
10-2002-0036051 26 June 2002 (26.06.2002) KR

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (*for all designated States except US*): **KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY** [KR/KR]; 100 Jang-dong, Yusung-gu, Daejeon 305-343 (KR).

**Published:**

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



**WO 2004/002925 A2**

(54) Title: PROCESS FOR PREPARING (R)-ARYLOXYPROPIONIC ACID ESTER DERIVATIVES

(57) Abstract: The present invention relates to a method for preparing optically active (R)-aryloxypropionic acid ester derivatives, and more particularly to a method for preparing (R)- aryloxypropionic acid ester derivatives with high optical purity and good yield at low cost from phenol derivatives with various substituted functional groups and (S)-alkyl O-arylsulfonyl lactates.